

CLAIMS

1. A crystalline mixture solid composition comprising α -D-glucopyranosyl-1,1-mannitol,

5 α -D-glucopyranosyl-1,6-sorbitol and 0.01 to 1.99 wt% of α -D-glucopyranosyl-1,1-sorbitol (the above wt% is based on the total weight of the α -D-glucopyranosyl-1,1-mannitol, α -D-glucopyranosyl-1,6-sorbitol and α -D-glucopyranosyl-1,1-sorbitol).

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2. A crystalline mixture solid composition comprising 50 to 98 wt% of α -D-glucopyranosyl-1,1-mannitol, 1 to 50 wt% of α -D-glucopyranosyl-1,6-sorbitol and 0.01 to 1.99 wt% of α -D-glucopyranosyl-1,1-sorbitol (the above wt% is based on the total weight of the α -D-glucopyranosyl-1,1-mannitol, α -D-glucopyranosyl-1,6-sorbitol and α -D-glucopyranosyl-1,1-sorbitol).

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3. The crystalline mixture solid composition of claim 1 or 2 which comprises 0.01 to 1.5 wt% of α -D-glucopyranosyl-1,1-sorbitol.

4. A crystalline mixture solid composition which is thin scale and comprises α -D-glucopyranosyl-1,1-mannitol and α -D-glucopyranosyl-1,6-sorbitol.

5. The crystalline mixture solid composition of claim 4 which has a specific surface area of 0.1 to 5.0 m^2/g .

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6. A process for producing a crystalline mixture solid composition, comprising the steps of supplying a composition comprising 50 to 80 wt% of α -D-glucopyranosyl-1,1-mannitol, 1 to 50 wt% of α -D-glucopyranosyl-1,6-sorbitol and 0.01 to 20 wt% of α -D-glucopyranosyl-1,1-sorbitol into a kneader to

knead and cool it so as to produce a composition, mixing the composition with a hydrophilic solvent, and separating solid matter from a liquid (the above wt% is based on the total weight of the α -D-glucopyranosyl-1,1-mannitol,

5 α -D-glucopyranosyl-1,6-sorbitol and
 α -D-glucopyranosyl-1,1-sorbitol).

7. A process for producing a crystalline mixture solid composition, comprising the steps of supplying a composition
10 comprising 50 to 80 wt% of α -D-glucopyranosyl-1,1-mannitol, 1 to 50 wt% of α -D-glucopyranosyl-1,6-sorbitol and 0.01 to 20 wt% of α -D-glucopyranosyl-1,1-sorbitol into an kneader having a thin and long cooling/kneading zone to knead and cool it, extruding the kneaded product through a punching
15 plate, cooling and grinding the extruded molded product to produce a powdery crystalline mixture solid composition, mixing the composition with a hydrophilic solvent, and separating solid matter from a liquid (the above wt% is based on the total weight of the α -D-glucopyranosyl-1,1-mannitol,
20 α -D-glucopyranosyl-1,6-sorbitol and
 α -D-glucopyranosyl-1,1-sorbitol).

8. A process for producing a crystalline mixture solid composition, comprising the steps of mixing a hydrophilic
25 solvent with an aqueous solution which comprises 50 to 80 wt% of α -D-glucopyranosyl-1,1-mannitol, 1 to 50 wt% of α -D-glucopyranosyl-1,6-sorbitol and 0 to 20 wt% of α -D-glucopyranosyl-1,1-sorbitol, and separating the formed precipitate from a liquid (the above wt% is based on the total
30 weight of the α -D-glucopyranosyl-1,1-mannitol,
 α -D-glucopyranosyl-1,6-sorbitol and
 α -D-glucopyranosyl-1,1-sorbitol).

9. The process for producing a crystalline mixture solid

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composition of any one of claims 6, 7 and 8, wherein the hydrophilic solvent is ethanol.

10. The process for producing a crystalline mixture solid
5 composition of any one of claims 6, 7 and 8, wherein the hydrophilic solvent is an ethanol aqueous solution having a concentration of 60 to 90 %.

11. The crystalline mixture solid composition of any one
10 of claims 1, 2 and 3 produced by the production process of any one of claims 6, 7 and 8.

12. The crystalline mixture solid composition of claim 4
or 5 produced by the production process of claim 8.

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